

APPROVED FOR REL FASE: 06/23/11: CIA-RDP86-00513R000616900029-6

L 60853-65

ACCUSSION NR: AP5019650

only some 10-15%. Sitals S-1214 and Zh-3 can be used for parts exposed to sliding friction in an intensive neutron flux. Significant changes in microhardness take place in boron-containing sital TV-23 on irradiation. The nature of changes in dielectric properties of the sitals investigated differs, depending on the irradiation dose (measurements were taken at 105, 106 and 107 cps). While the sense of the change remains the same at all frequencies, the magnitude of the changes at higher frequencies decreases; sital IV-23 shows a high degree of stability. Unlike sital 8-343, sital IV-23 retains the induced changes in microhardness, even on annealing above 500C. This indicates the irreversible nature of the changes. Most of the radiation-induced changes in IV-23 are localized in the surface layer, the site of the majority of nuclear events. The results obtained are preliminary in character; clarification of the mechanism of radiation-induced changes will involve comparison of changes in a number of properties, among them elasticity, mechanical strength and electrical conductivity. A higher density of nuclear events can be achieved by increased doses of irradiation, or by incorporation in the sitals of isotopes with higher thermal-neutron capture cross sections, e.g., by the use of boron-containing starting materials enriched with B10. Any evaluation of the radiation stability of sitals must be made with a given set of functional requirements in mind. Orig. Part [VS] has: 5 figures and 2 tables.

Card 2/3

EWT(1)/EWP(6)/EPA(6)=2/EWT(m)/EPF(c)/EWP(1)/EPF(n)=2/EPA EWP(j)/T/EEC(b)-2/EWP(b) IJP(c) WW/GG/RM/WE ACCESSION NR: AP5019650 UR/0072/65/000/008/0015/0017 666.11.065.5 S. M. (Candidate of technical sciences); Grinshteyn, Yu. (Engineer) TITLE: The effect of neutron irradiation on crystalline vitreous materials SOURCE: Steklo i keramika, no. 8, 1965, 15-17 TOPIC TAGS: radiation damage, crystal defect, sital, radiation resistance, thermal neutron, F center ABSTRACT: Crystalline samples of sitals S-343, S-1214, Zh-3, and IV-23 were sealed in aluminum containers and exposed to fluxes of 10¹⁶, 10¹⁸ and 10¹⁹ thermal neutrons/cm2 in a reactor. The temperature of the reactor cavity remained below 40C. The irradiated samples were tested for density, hardness, and dielectric properties. The opaque white sitals turned various shades of grey and brown on irradiation; the intensity of coloration increased with irradiation. The transparent sital S-343 turned blue with complete loss of transparency at 10¹⁸ neutrons/cm². Except for sital IV-23, whose density increased at 10¹⁸ neutrons/cm², no noticeable changes in density were observed. The microhardness of the majority of the sitals changed Card 1/3

L 11846-66

ACC NR: AT6000506

additional crystallization of quartz, small doses of neutrons reduce the amount of the basic crystallization phase, probably causing some crystallization of silicon dioxide. A brief attempt is made to explain this behavior. Orig. art. has: 3 figures.

SUB CODE: 11, 20 / SUBM DATE: 22May65 / ORIG REF: 005

ACC NR: AT6000506

SOURCE CODE: UR/0000/65/000/000/0365/0368

AUTHOR: Brekhovskikh, S. M.; Grinshteyn, Yu. L.; Landa, L. M.; Chubkina, N. I.

ORG: None

TITLE: The influence of nuclear radiation on the structure and phase transition in glassceramics (1964. Stekloobraznoye sostoyaniye (Vitreous state); trudy soveshchaniya, (1965. Topic TAGS: irradiation effect, crystallization, ceramics, nuclear radiation, coranical contains and c

curves with the curves of nonirradiated ρ -eucryptite or eucryptite-like solid solution serving as the standard. Results show that whereas gamma rays cause an

Card 1/2

BREKHOVSKIKH, S. M.; GRINSHTEYN, Yu. L.; LANDA, L. M.; CHUBAKINA, N. I. "The effect of nuclear radiations on the structure and phase transitions in sitals." report submitted for 4th All-Union Conf on Structure of Glass, Leningrad, 16-21 Mar 64.

Glass production under the action of gamma rays

3/072/63/000/004/002/005

the radiation internal heating of the micro-volume of the substance takes place owing to the interaction of the freed electrons with atom and ion shells. A study of the mass activation with preliminary gamma irradiation is recommended as it is thought to be important for the production of new types of glass. There are 3 figures.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900029-6

\$/072/63/000/004/002/005 A051/A126

AUTHORS:

Brekhovskikh, S. M., Candidate of Technical Sciences, Grinshteyn,

Yu. L., Engineer

TITLE:

Glass production under the action of gamma rays

PERIODICAL: Steklo i keramika, no. 4, 1963, 9 - 10

TEXT: A study-of optical property changes in glass, under the action of ${\rm Co^{60}}$ gamma radiation, was made. The effect of the gamma rays on the kinetics of glass manufacturing processes was investigated. The degree of purification of the molten glass was taken as the criterion for evaluating the rate of the processes occurring in the molten mass. A five-component industrial glass (in % by weight): 71.3 ${\rm Si0_2}$, 15.5 ${\rm Na_{20}}$, 7 ${\rm Ca0}$, 4.3 ${\rm MgO}$, 2.04 ${\rm Al_{20_3}}$, was investigated. It was found that the gamma radiation has an effect only on the processes which occur in the first stages of the production (during the first 20 min in the experiments), and which are accompanied primarily by the emission of gas. One of these processes is said to be the possible acceleration of thermal dissociation of carbonates included in the composition of the mass, since under the effect of

Card 1/2

L 61723-65 ACCESSION NR: AP5018931 0 hardness have different characteristics for small and for large doses. These changes and changes in other parameters measured (density, mechanical strength, dielectric properties, coefficient of thermal expansion, and phase composition) often exhibit extrema at doses which depend on the composition of the material. The authors also observed the so-called "neutron hardening" of pyrocerams, which might cause destruction of the sample. They assume that the changes in coefficients of thermal expansion are due not only to the changes in phase composition but also to the appearance of stresses. In conclusion, the radiation effects on sitall IV-23 are discussed on the basis of the theory of thermal maxima. Orig, art. has: 4 formulas, 5 figures and 1 table. ASSOCIATION: none SUBMITTED: 11Feb65 ENCL: 00 SUB CODE: OTHER: NO REF SOV: ATD PRESS:

<u>L 6[723-65</u> EMP(e)/EPA(s)-2/EWT(m)/EPF(c)/EWP(1)/EPF(n)-2/EPA(w)-2/EWP(j)/T/EWP(b) Pc-4/Pq-4/Pr-4/Pt-7/Pu-4 WW/GG/RM/WH

ACCESSION NR: APSO18931

UR/0363/65/001/006/0947/0951 666.1:542.65

AUTHOR: Brekhovskikh, B. M.; Grinshtevn, Yu. L.

TITLE; The effect of thermal neutron exposure on certain properties of heat-resistant pyrocerams. /

SOURCE: AN SSSR. Investiya. Neorganicheskiye materialy, v. 1, no. 6, 1965, 947-951, and insert facing p. 858

TOPIC TAGS: neutron bombardment, pyroceram, pyroceram radiation damage, pyroceram strength, pyroceram hardness, thermal expansion, dielectric constant, thermal neutron, neutron hardening

ABSTRAT: This is a report on the first attempts to determine the effects of radiation on various pyrocerams, including heat-resistant. Samples, enclosed in aluminum containers, were subjected to doses varying from 10¹⁶ to 10¹⁹ thermal neutrons/cm within the experimental channels of nuclear reactors at no more than 40°C. Tests showed that pyroceram (sitall) IV-23 can be used within neutron fields up to integral fluxes of 5:10¹⁸ thermal neutrons/cm². Sitall Zh-3 remained undamaged even after integral doses of 10¹⁹ thermal neutrons/cm². The observed changes in micro-

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PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900029-6

L 21.918-66

ACC NRI APGOLILISG

motor activity. Duration of the effect was less prolonged that with anode stimulation, except in individual cases. With both types the latent period was 5 seconds. The author discusses various factors associated with the mechanics of the experiment that probably influenced the pattern of the results, though not the basic conclusion that the polarity of the cerebral stimulus is significant. This is supported by the low percentage of cases in which anode stimulation led to a decrease in the amplitude of stomach contractions. This paper was presented by Active member, AMN SSSR, V. V. Parin. Orig. art. has: 2 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 13Jul63 / ORIG REF: 024

Card 2/2 nst

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900029-6

L 21918-66

ACC NR: AP6014456

SOURCE CODE: UR/0219/65/059/001/0015/0019

UDC: 612.337-063: 612.825.014.42L

AUTHOR: Grinshteyn, Yu. A .-- Grinshtein, Yu. A.

19

ORG: Pedagogical Institute, Borisoglebsk (Pedagogicheskiy institut)

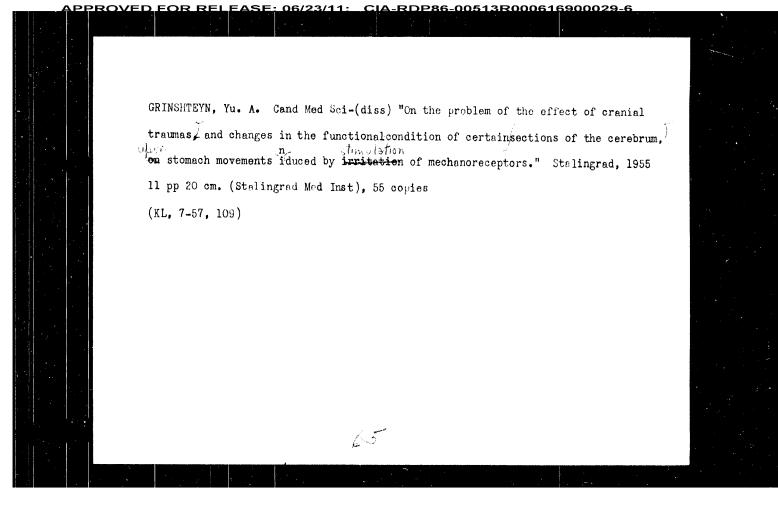
'R

TITLE: Effect of direct current stimulation of the cerebral cortex on the motor activity of the stomach

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 59, no. 1, 1965, 15-19

TOPIC TAGS: digestive system, cerebral cortex, electrophysiology, dog ARSTRACT: A silver electrode was implanted 12-20 days before the experiment in the cerebral cortex of 4 dogs with gastric fistulae. Before the experiment the stomach was washed with warm water and a rubber balloon was inserted; and filled with 150-300 ml of water; the mouth of the balloon was attached to measuring instruments. Moderate extension of the stomach walls with the balloon caused energetic muscular contractions (4-6 minutes) soon after application of the stimulus. Intense stomach contractions lasted 3-4 hours. During this period the cerebral cortex was stimulated with d-c current. The effect of the stimulation depended on the polarity of the stimulus. In 63% of the experiments anode stimulation with d-c current resulted in an increase in the amplitude of stomach contractions; in 4% the amplitude was reduced; and in 33% the stomach's motor activity was unchanged. Alteration of the stomach's motor activity was prolonged, sometimes even until the Cathode stimulation of the cerebral cortex frequently following day. suppressed stomach activity; in only 9% of the experiments did it stimulate

Card 1/2



ACC NR: AP6029022 SOURCE CODE: UR/0413/66/000/014/0024/0024

INVENTOR: Soborovskiy, L. Z.; Grinshteyn, Ye. I.; Bruker, A. B.

ORG: none

TITLE: Preparation of secondary 1-hydroxyfluoroalkyl alkyl phosphines. Class 12, No. 183748

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 24

TOPIC TAGS: zecondary hydroxyfluoroalkyl alkyl phosphine; fluoroalkyl ketone, primary phosphine, organic phosphorus compound, fluorinated organic compound, ketone

ABSTRACT: In the proposed method, secondary 1-hydroxyfluoroalkylalkylphosphines are obtained by the reaction of primary phosphines with fluoroalkyl ketones.

[WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 14Sep64/

L 00001-67 ACC NR: AT7000485)/EWT(m) SOURCE CODE: UR/0079/66/036/006/1138/1141 GRINSHTEYN, Ye. I., BRUKER, A. B., SOBOROVSKIY, L. Z.

"Synthesis of Organophosphorus Compounds Starting with Phosphorus Hydrides.

VI. Reactions of Trifluoroacetone with Phosphorus Hydrides"

Moscow, Zhurnal Obshchey Khimii, Vol 36, No 6, 1966, pp. 1138-1141 TOPIC TAGS: alkylphosphine, fluorinated organic compound, organic synthetic process Abstract: The reaction of 1, 1, 1-trifluoroacetone with phosphine, methyl- and dimethylphosphine was carried out, and the corresponding 1-hydroxy-2,2,2-trifluoroisopropylphosphines were obtained and characterized. The reaction of trifluoroacetone with phosphines, similar to that of hexafluoroacetone with phosphorus hydrides, was found to be limited to the replacement of only one hydrogen atom on the phosphorus by the 1-hydroxy-2,2,2-trifluoroisopropyl radical. Some derivatives of the 1-hydroxy-2,2,2-trifluoroisopropylphosphines were produced and characterized. The primary phosphine 1-hydroxy-2,2,2-trifluoroisopropylphosphine was converted to 1-hydroxy-2,2,2-trifluoroisopropylphosphinic acid by boiling with excess hydrogen peroxide in aqueous solution, to the corresponding ester by treatment with acetylchloride, and to 1-hydroxy-2,2,2-trifluoroisopropyldi(hydroxymethyl)phosphine by hydroxymethylation with formaldehyde in aqueous solution in the presence of cadmium chloride. The tertiary phosphine 1-hydroxy-2,2,2-trifluoroisopropyldi(hydroxymethyl)phosphine was oxidized to the corresponding phosphine oxide. The secondary and tertiary phosphines synthesized exhibited analogous reactions. The IR apectra were analyzed by S. S. Dubov and V. V. Fedotov.

SUBM DATE: 08Mar65 SUB CODE: 07 / Card

UDC: 547.438.1 25

EPF(c)/EPR/EWP(j)/EWA(c)/EWT(m) Po-L/Pr-L/Ps-L L 52108-65 UR/0286/65/000/009/0022/0022 ACCESSION NR: AP5015240 30 AUTHORS: Grinshteyn, Ye. I.; Bruker, A. B.; Soborovskiy, L. Z. TITLE: A method for obtaining primary 1-hydroxyfluoroalkylphosphines. Class 12, No. 170498 SOURCE: Byulleten' izobrateniy i tovarnykh znakov, no. 9, 1965, 22 TOPIC TAGS: hydroxyfluorbalkylphosphine, fluoroalkyl ketone, hydrogen phosphide ABSTRACT: This Author Certificate presents a method for obtaining primary 1-hydroxyfluoroslkylphosphines. Fluoroslkyl ketones are interacted with hydrogen phosphide while being warmed to 50-1100. ASSOCIATION: Organizatsiya gosudarstvennogo komiteta khimicheskoy promyshlennosti pri gosplane SSSR (Enterprise of the State Committee of the Chemical Industry at the Gosplan SSSR) SUB CODE: OC ENGL: 00 SUBMITTED: 20Mar64 OTHER: 000 NO REE SOV: OOO Card 1/1 7mb

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900029-6

L 13351-63

ACCESSION NR: AP3002625

carbon atom of the carbonyl group to the electron-donor phosphorus atom in the phosphine molecule with the subsequent rearrangement of the intermediate complex. The theory is advanced that, in the reactions investigated, the increase in reactivity of phosphines substituted by methyl groups is connected with the fact that the weakly localized electron pair of the C-H bond in the methyl group at phosphorus reacts with 3rd-orbitals of the latter. This increases the electron-donor properties of phosphorus and hence facilitates the reaction with the electrophilic atom of the carbonyl group. Orig. art. has: 2 tables and 1 formula.

ASSOCIATION: none

SUBMITTED: 22Jun62

DATE ACQ: 20Jul63

ENCL: 00

SUB CODE: CE

NO REF SOV: 003

OTHER: 004

2/2

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ASD/ESD-3 EWP(1)/EPF(c)/EWT(m)/BDS

ACCESSION NR:

8/0079/63/033/006/1919/1923

AUTHOR: Bruker, A. B.; Baranayev, M. K.; Grinshteyn, Ye. I.; Novoselova, R. I.; Prokhorova, V. V.; Soborovskiy, L. Z.

TITIE: Mechanism and kinetics of hydroxymethylation of phosphines

SOURCE: Zhurnel obshchey khimii, v. 33, no. 6, 1963, 1919-1923

TOPIC TAGS: hydroxymethylation, methylation, phosphine, electron-donor properties, electron-donor, formaldehyde, activation energy, phosphorus, carbon

ABSTRACT: The kinetics of reactions of hydrogen phosphide, ethyl phosphine, methyl phosphine, methyl-ethyl phosphine and dimethyl phosphine with paraformaldehyde without using special catalysts and solvents has been investigated. The activation energy of the reaction was determined. It was found that according to the values of the energy of activation in the reaction of paraformaldehyde, the studied phosphines follow the order: PH sub 3 less than C sub 2 H sub 5 PH sub 2 much less than CH sub 3 PH sub 2 less than CH sub 3 (C sub 2 H sub 5) PH much less than (CH sub 3) sub 2 PH. The proposed mechanism was confirmed, according to which the reaction proceeds with the electrophilic attack by the

Card 1/2

L. 91912-66

ACC NR. Nr6621690

phosphino, beta-acetoxyethyltrimethylphosphenium iedide, and beta-hydroxyethyl-cimethylphosphine exide, were produced. Ethylme exide did not react with dimethylphosphine in the absence of moisture; in the presence of maior the reaction product was not a tertiary beta-hydroxydimethylphosphine, but his-(beta-hydroxyethyl)-dimethyl-phosphonium hydroxide. The infrared spectrum was done by S. S. Dubey and V. V. Fedetova. [JFRS]

SUB CODM: 07 / SUBM DATE: 16Nov64 / ORIG RMS: 004

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900029-6

L 31812-66 EWT(m)/EWP(j) RM

ACC NR: AP6021680 SOURCE CO

SOURCE CODE: UR/0079/66/036/003/0484/0488

AUT. Tot: Bruker, A. B.; Grinshteyn, Ye. I.; Soborovskiy, L. Z.

ORG: none

TITLE: Synthesis of organophosphorus compounds on the basis of phosphorus hydrides. IV. Synthesis of beta-hydroxyothylalkylphosphines and beta-hydroxyothyldialkylphosphines and their derivatives

SOURCE: Zhurnal obshchoy khimii, v. 36, no. 3, 1966, 484-488

TOFIC CARD: organic phosphorus compound, chemical synthesis, nonnetallic organic derivativo, alkylation, alkylphosphonium salt, alkylphosphine, alkylphosphonium hydroxida

Noticel: Primmy and secondary phosphines, containing the beta-lydeographyl radical, were alkylated with alkyl halides, resulting in the production of the corresponding beta-hydroxyethylalkylphosphenium and beta-hydroxyethylalkylphosphenium halides, decomposition of which with alkali leads to beta-hydroxyethylalkylphosphines and beta-hydroxyethyldiatkylphosphines, buta-hydroxyethylalkylphosphines and beta-hydroxethyle' alkylphosphines were also produced by reaction of ethylene exide with alkylhydrophosphides and dialkylphosphides of the alkali metals. Proviously undescribed compounds, derivatives of beta-hydroxyethyldimethylphosphine: beta-acutexyethyldimethylphosphine:

Cord 1/2 UDC: 546.181.1:547.438.1

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L 06508-67 ACC NR: AP7000484

presence of catalytic amounts of cadmium chloride yielded 1-hydroxyhexafluoro-isopropyloxymethylmethylphosphine. 1-Hydroxyhexafluoroisopropyldimethylphosphine was readily oxidized by atmospheric oxygen to the corresponding oxide. 1-Acetoxyhexafluoroisopropyldimethylphosphine was obtained from the action of acetylchloride uron 1-hydroxyhexafluoroisopropyldimethylphosphine. The reaction of hexafluoroacetone with phosphines was extended to arsines: the reaction of hexafluoroacetone with arsine yielded the previously unknown 1-hydroxyhexafluoroisopropylarsine, the first representative of primary arsines with a hydroxyl group in the alpha-position to the arsenic atom. The IR spectra were analyzed by S. S. Dubov and V. V. Fedotov. [JPRS: 37,023]

SUB CODE: 07 / SUBM DATE: O8Mar 5 / ORIG REF: 013 / OTH REF: 007

Card 2/2 2

EWT(m)/EWP(j)

L 06508-67 ACC NR: AP7000484

SOURCE CODE: UR/0079/66/036/006/1133/1138

BRUKER, A. B., GRINSHTEYN, Ye. I., SOBOROVSKIY, L. Z.

"Synthesis of Organophosphorus Compounds Starting with Phosphorus Hydrides. V. Reaction of Hexafluoroacetone with Phosphorus and Arsenic Hydrides"

Moscow, Zhurnal Obshchey Khimii, Vol 36, No 6, 1966, pp 1133-1138 TOPIC TAGS: alkylphosphine, fluorinated organic compound
Abstract: It was found that phosphine reacts readily with hexafluoroacetone
to form 1-hydroxyhexafluoroisopropylphosphine, which is the first representative of the group of primary alpha-hydroxyalkylphosphines, a new group of organophosphorus compounds containing an alpha-hydroxyfluoroalkyl radical on the phosphorus atom, together with hydrogen atoms. The reaction of hexafluoroacetone with dimethylphosphine leads to 1-hydroxyhexafluoroisopropyldimethylphosphine, which has not been described previously. A mechanism is proposed for the indicated processes. Some conversions of the 1-hydroxyhexafluoroisopropylphosphines synthesized were studied, resulting in a number of previously unknown derivatives of these substances. Reaction of 1-hydroxynexafluoroisopropylphosphine with an aqueous solution of formaldchyde in the presence of catalytic cadmium chloride yields 1-hydroxyhexafluoroisopropyldi (hydroxymethyl)phosphine; the latter is oxidized to 1-hydroxyhexafluoroisopropyldi(hydroxymethyl)phosphine oxide. Treatment of the secondary phosphine 1-acetoxyhexafluoroisopropylmethylphosphine with aqueous formaldehyde in the

Cord 1/2

UDC: 547.438.1 0923

SOURCE CODE: UR/0079/66/036/002/0302/0306 EWT(m)/EWP(j) 1. 31276-66 ACC NRI AP6022800 AUTHOR: Grinshteyn, Ye. I.; Bruker, A. B.; Soborovskiy, L. Z. S TIME: Synthesis of organophosphorus compounds based on phosphorus hydrides. III. Reactions of ethyl-, diethyl-, and methylethylphosphines with paraformaldehyde SOURCE: Zhurnal obshchey khimii, v. 36, no. 2, 1966, 302-306 TOPIC TAGS: chemical synthesis, hydride, formaldehyde, oxide formation, hydrogen peroxide, halogenated organic compound, organic salt, coordination chemistry, ABSTRACT: Di(hydroxymethyl)ethylphosphine, hydroxymethyldiethylphosphine, and hydroxymethylmethylethylphosphine were produced by reaction of paraformaldehyde with phosphines under pressure. Di(hydroxymethyl)ethylphosphine oxide was produced for the first time by exidation of di(hydroxymethyl)othylphosphine with hydrogen peroxide; hydroxymethyldimethylphosphine oxide was produced analogously. Reaction of the hydroxymethylphosphines with alkyl halides yielded the corresponding quaternary phosphonium salts: tri(hydroxymethyl)methylphosphonium iodide, di(hydroxymethyl)dimethylphosphonium iodide, hydroxymethyltrimethylphosphonium iodide, hydroxymethyltrimethylphosphonium chloride, and hydroxymethylmethylethyl-n-propylphosphonium bromide. The hydroxymethylphosphines in alcohol solution readily formed coordination compounds with mercuric chloride. Tri(hydroxymethyl)phosphine was produced from hydrogen phosphide and paraformaldehyde under slight excess pressure. The basicity of the phosphines was found to increase in the series The IR spectra were done by S. S. Dubov (HOCH₂)₃P < (HOCH₂)₂PCH₃ < HOCH₂P(CH₃)₂. The IR spect and V. V. Fedotova. Orig. art. has: 1 table. [JPRS] SUBM DATE: 220ct64 / SUB CODE:

<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900029-6</u>

Oxymethylation of phosphine and its...

28649₅/020/61/139/006/015/022 B103/B101

than PH,. This is due to the strengthening of the electrodenor properties of phosphorus in the order PH₃< CH₃-PH₂< (CH₃)₂PH. The authors' method makes it gossible to synthesize various hydroxyalkyl-substituted phosphines by using different alkyl and aryl phosphines as well as carbodyl compounds. There are 7 non-Soviet references. The three most important references to English-language publications read as follows: Ref. 2: A. Hoffman, J. Am. Chem. Soc., 52, 2995 (1930); Ref. 3: W. A. Freeren et al., J. Am. Chem. Soc., 77, 3923 (1955); Ref. 6: N. is Freezen et al., Jan. Chem. Soc., 29,900.

PRESENCEL. March 16, 1961, by I. L. Knunyanta, Academician

SUBMITTED: March 15, 1961

Card 4/1

<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900029-6</u>

Orymathylation of phosphine and Ita...

28649 \$/020/61/139/006/015/022 B103/B101

prophile renote with paraformaldenyde more readily, i.e., more rapidly and recover temperatures than PH; . I. forms di-(hydroxymethyl)-methyl

Fig. 1 Set OH3-tH3 + 2CH2O - (HOCH2)2FOH3. This compound, which boils

With the control of the not yet been described in the literature. With the control of the contr

Now we prosphine reacts with paraformal dehyde even more readily, and for a conethy! hydroxymethyl phosphine: $(CH_3)_2PH + CH_2O \rightarrow (CH_3)_2PCH_2OH$.

The congrued belongs to a new type of monovalent alcohols with an organic, additional at the C atom which is bonded with hydroxyl. The few start PH, and organic phosphines react with formaldehyde even in

the average of a proton source is ascribed to the circumstance that this rejection is caused by an electrophilic attack of the C atom of the carbon, group to the P atom of the phosphine molecule, thus forming hydroxymethyl phosphine. The latter compound is converted into di- and tri-(hydroxymethyl)-derivatives. This hypothesis explains the fact that methyl and dimethyl phosphines react with paraformaldehyde more readily

Card 3/4

28649

Oxymethylation of phosphine and its...

S/020/61/139/006/015/022 B103/B101

$$\begin{array}{c} H \\ \left(\begin{array}{c} C - OH \\ \end{array} \right)^{\frac{1}{4}} + PH_3 \rightarrow H_2PCH_2OH + H^*; \\ H \\ HOCH_4 \\ \end{array}$$

$$\begin{array}{c} H \\ HOCH_4 \\ \end{array}$$

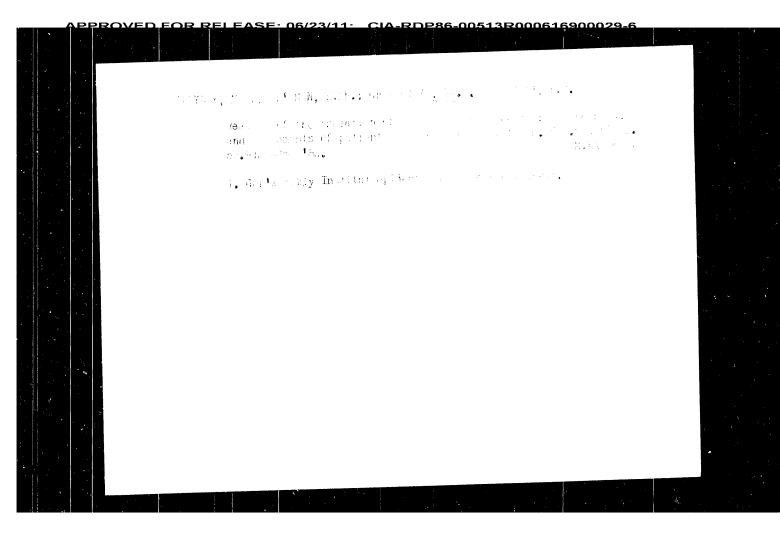
$$\begin{array}{c} H \\ HOCH_4 \\ \end{array}$$

$$\begin{array}{c} H \\ \end{array}$$

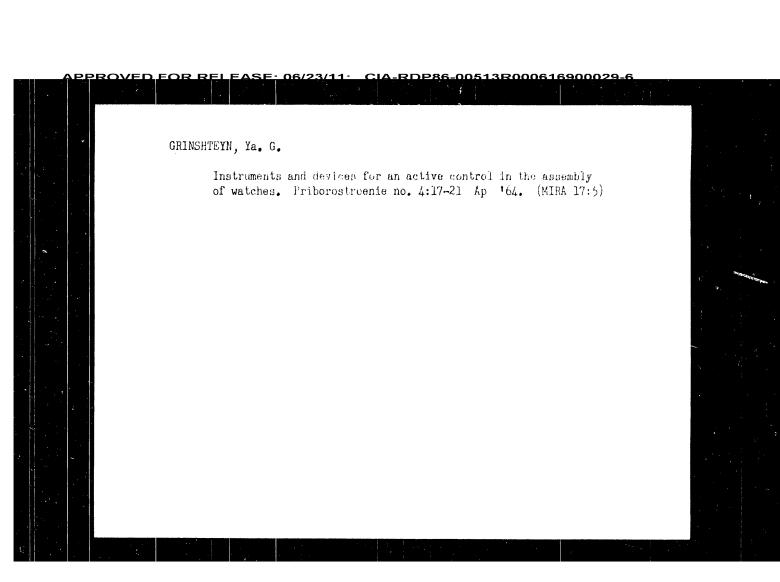
The authors, however, found that formaldehyde may react with phosphines according to another mechanism, derivatives of trivalent phosphorus being formed. Paraformaldehyde, for example, reacts with PH₃ (nolar ratio 3:1) at $90-100^{\circ}\text{C}$, and forms tri-(hydroxymethyl)-phosphine in a high yield: $3 \text{ CH}_2\text{O} + \text{PH}_3 \longrightarrow (\text{MOCH}_2)_3\text{P}$. From this product, the authors obtained an oxide under the action of a dilute H_2O_2 solution: $(\text{MOCH}_2)_3\text{P} + \text{H}_2\text{O}_2 \longrightarrow (\text{MOCH}_2)_3\text{P} = 0 + \text{H}_2\text{O}$. According to the experiments, methyl Card, 2/4

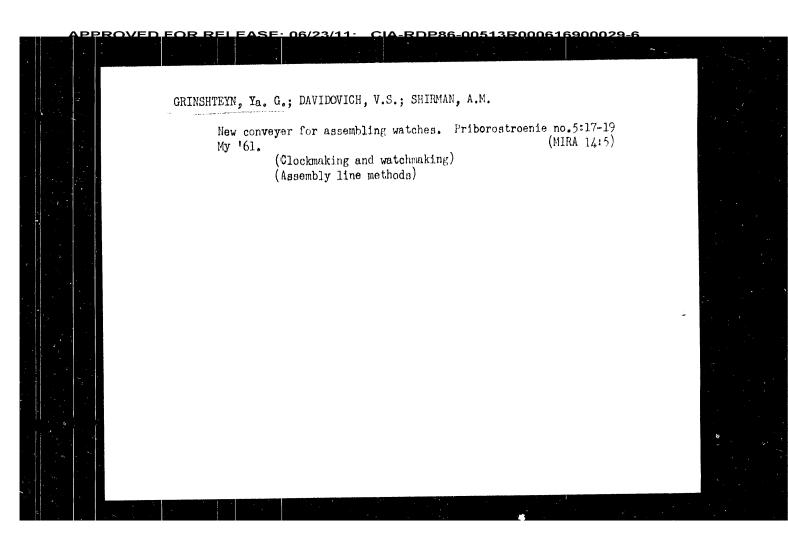
2209,2409,2915 28649 S/020/61/139/006/015/022 B103/B101 53630 AUTHORS: Grinshteyn, Ye. I., Bruker, A. B., and Soborovskiy, L. Z. TITLE: Oxymethylation of phosphine and its derivatives Akademiya nauk SSSR. Doklady, v. 139, no. 6, 1961, 1359-1362 PERIODICAL: TEXT: So far, it has been assumed that PH_{z} as well as alkyl and aryl phosphines react with formaldehyde only with the participation of HCl or several salts. For this reaction (Ref. 6, see below) a mechanism has been suggested, according to which this process takes place via the intermediate formation of a formaldehyde cation (I). (I) reacts with a PH, molecule where a proton is split off. First, a monohydroxymethyl derivative is formed and then di- and tri-(hydroxymethyl)-phosphines and tetrah/droxymethyl phosphonium chloride: $C \stackrel{\bullet}{\longrightarrow} O + H_{+} \rightarrow \left(\begin{array}{c} C \stackrel{\bullet}{\longrightarrow} O \\ \end{array} \right)_{+}^{+};$ Card 1/4

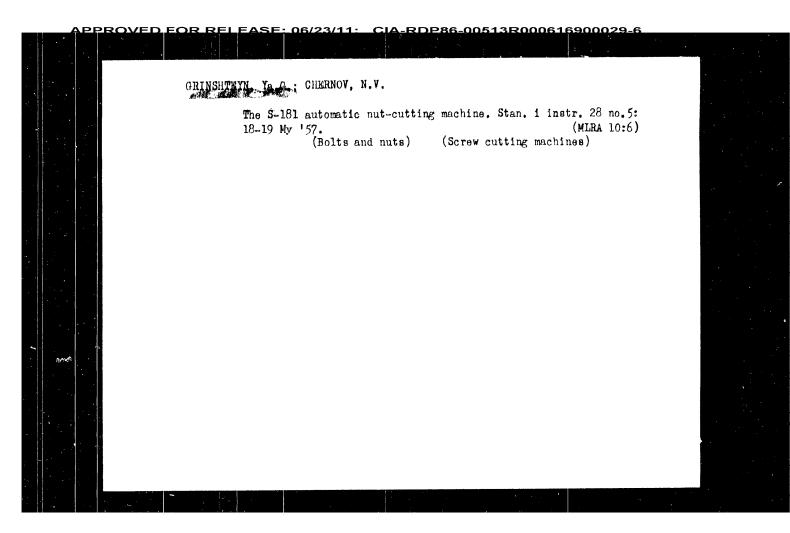
ACC NR: AP6029022 SOURCE CODE: UR/0413/66/000/G14/0024/0024 INVENTOR: Soborovskiy, L. Z.; Grinshteyn, Ye. I.; Bruker, A. B. ORG: none TITLE: Preparation of secondary 1-hydroxyfluoroalkyl alkyl phosphines. Class 12, No. 183748 SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 24 TOPIC TAGS: secondary-hydroxyfilmocnally-legisphosphine-fluoroalkyl ketone, primary phosphine, organic phosphorus compound, fluorinated organic compound, ketone ABSTRACT: In the proposed method, secondary 1-hydroxyfluoroalkylalkylphosphines are obtained by the reaction of primary phosphines with fluoroalkyl ketones. [WA-50; CBE No. 11] SUB CODE: 07/ SUBM DATE: 14Sep64/ Card 1/1 UDC: 547.419.1.07

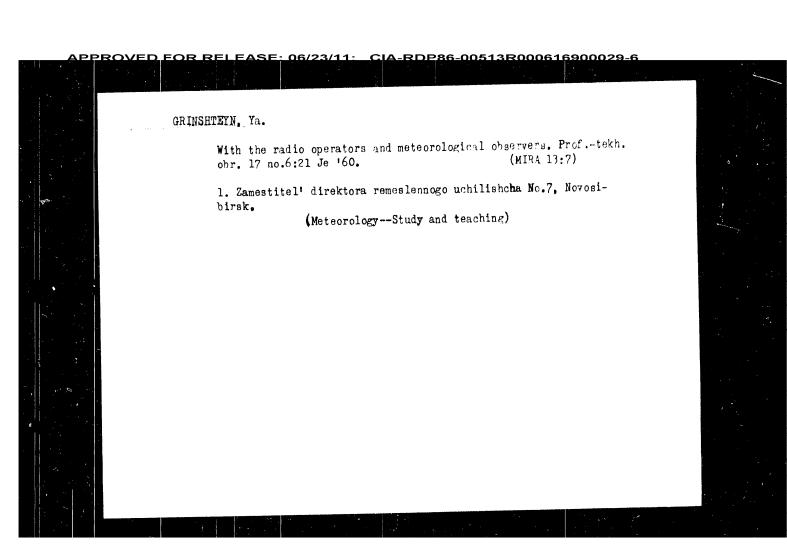


GRINGSTON, Ye. A., Cond Med Sci -- (miss) "Agglutination reaction in diphtheria." Gor'kiy, 19et. 16 pp; (der'kiy dathe meaned last im ...
M. Kirov); 300 conies; price not given; (Kh., 25-64., 16a)









GRINSHTEYN, V. Ya., inzh.; KOSTOLONOV, V. F., inzh. Devices for finding and separating out metal at stone crushing plants. Stroi. mat. 8 no.9:15-17 S '62. (MIRA 15:10) (Stone and ore breakers)

CHIPEN, C.I.; EYDOS, Ya.A. [Eldus, J.]; BOBOVICH, Ya.S.; GRINCHENN, V.Ya. [Grinsteins, V.]

Structure of N-acyl derivatives of 3-phenyl-5-amine-1,2,4-triaxole, Zbur. strukt.khim. 6 no.1:53-57 Ja-F 165. (M.Sa.) E. 1. Institut organicheskogo sinteza AN Latviyasky F. Latviyaskiy gosudarstvennyy universitet imeni P. Curchi i Gosudarstvennyy opticheskiy institut imeni S.I.Vavitova. Submitted October 10, 1963.

greev F. L. Porth. ..P. Budate. G., office S.L. Grimshern V.Ye.

Trins eith; V.

Exeration of a complete compound of pertawaten, derybdenum with unlog-yealth area in the presente of guantime deriverives,

Zhor. und. knom. 20 no.1.76 81 467. (M.RF 28-9)

1. Moskivsky groundarstwenny universite: tent forcing Landysky graundarstwenny universite: tent forcing Landysky graundarstwenny universite. Then forcing Linguistic organizatekogo sintere All Latviysky SEE.

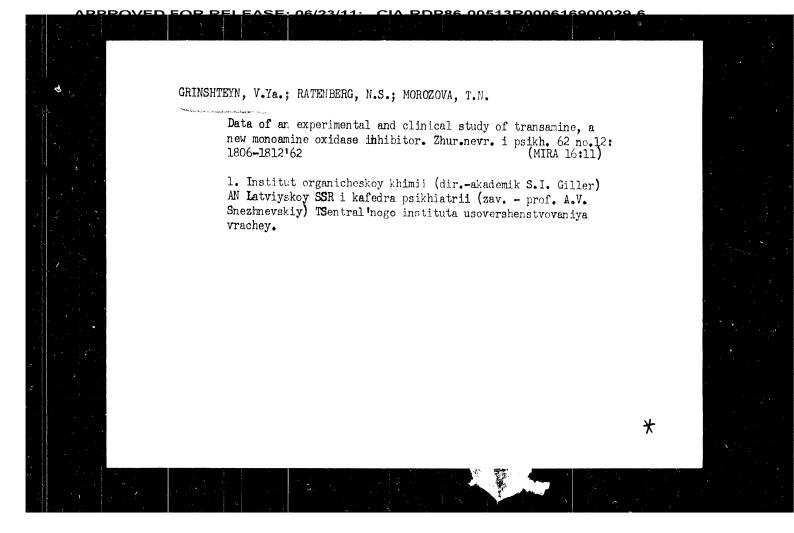
GRINSHTEYN, V.Ya. [Grinsteins, V]; MEDNE, K.K.; ZAYEVA, S.P.; STOLYGYO,
N.S.; VEVENES, A.P.; GERMANE, S.K.; ALBERTA, M.A.; GRIGALINOVICH,
G.A.; TEMMENE, V.A., ZELCHA, S.B. [Zelca, S.]

Tubercolastatic properties of mixed thiosemicarbazone guanylhydrazone 1,3-indandione, a representative of a new type of
antitubercular substances. Dokl. AN SSSR 147 no.5:1083-1095
D '62.

1. Institut organicheskogo sinteza i Institut eksperimental'noy
i klinicheskoy meditsiny AN LaAwiyskoy SSR. Predstavleno akademikom A.N. Nasmoyanovym.
(TUBERCULOSIS)

(ANTIBIOTICS) (KETONES)

GILLER, S.A., akademik; BAUMANIS, E.A.; SOKOLOV, G.P.; GRINSHTEYN, V.Ya. Synthesis and antimonoamine oxidase activity of alkyl hydrazides of 3-pyridazine carboxylic acid. Dokl.AN SSSR 145 no.2:440-442 J1 162. (MIRA 15:7) 1. Institut organicheskogo sinteza AN Latviyekoy SSR. 2. Akademiya nauk Latviyskoy SSR (for Giller). (Amine oxidase) (Hydrazides) (Pyridazinecarboxylic acid)



CHIEN, G.I. [Cipans, G.]; GRINSHTSYN, V.Ya. [Grinsteins. V.]

Derivatives of aminoguanidines and their transformations.

Part 4: Derivatives of 1-alkyl-1-aminoguanidines and
1-alkyl-2-substituted 1.2,4 triazoles. Zhur.ob.khim.

32 no.ll:3811-3817 N *G.

1. Institut organicheskogo sinteza AN Latviyskoy 33% (Guanidine)

(Triazole)

CHIPEN, G.I. [Cipens, C.]; GRINSHTEYN, V.Ya. [Grinsteins, V.]

Derivatives of amineguanidine and their transformations.
Part 3: Acyl and azomethine derivatives of aminetriazoles.
Zhur.ob.khim. 32 no.2:460-464, F '62. (MIRA 15:2)

1. Institut organicheskogo sinteza AN Latviyskoy SSR. (Triazole)

CHIPEN, G.I. [Cipens, G.]; GRINSHTEYN, V.Ya. [Grinsteins, V.];

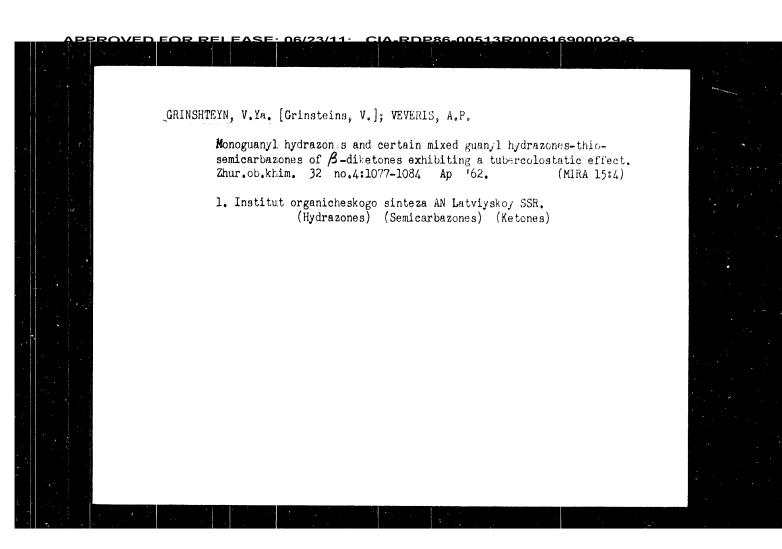
PRETMAIN, R.P. [Preimans, R.]

Derivatives of aminoguanidine and their transformations.

Part 2: Derivatives of nitroamino- and diaminoguanidines and their transformations. Zhur.sb.khim. 32 no.2:454-459

F '62. (MIRA 15:2)

1. Institut organicheskogo sinteza ANI Latviyskoy SSR. (Guanidine)



GRINSHTEYN, V. Ya.; CHIPEN, G.I.

Lerivatives of aminoguanidines and their conversions. Fart 1:
Synthesis of acylaminoguanidines and 3-substituted 5-anino-1,
2,4-triszoles. Zhur. ob. khim. 31 no.3:886-890 Mr '61.

(MIRA 14:3)

1. Institut organicheskoge sinteza AN Latviyskoy SSR.

(Guanidine)

(Triazole)

GRINSHTEYN, V. Ya. -- *Dependence of Folyploid Activity and Functions of Myotic Poison on the Chemical Structure and Increase in the Number of Alkaloids in the Polyploid Forms of Stramonium.* Latvian State U, 1948. In Latvian (Dissertation for the Degree of Candidate of Chemical Sciences)

S0: Izvestiya Ak, Nauk Latviyskoy SSR, No. 9, Sept., 1955

L 45832-66

ACC NR: AP6030580

whose outputs are connected with the relay unit input, and the inputs are connected with the shunts set up in the lines to be controlled. Orig. art. has: [DW]

1 figure.

Fig. 1. Contactless overload relay.
1—Two transistorized balanced amplifiers; 2—relay unit; 3—shunts; 4 and 5—controlled lines; 6—R-C circuits; 7—output unit with electromagnetic slave mechanisms

SUB CODE: 09/ SUBM DATE: 21Jun65/

<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900029-6</u>

L 45832-66 EWT(1)

ACC NR: AP6030580

SOURCE CODE: UR/0413/66/000/016/0062/0062

INVENTOR: Grinshteyn, V. I.; Nudel'man, V. N.; Ol'nov, V. M.

ORG: none

TITLE: Contactless overload relay. Class 21, No. 184957 [announced by Chuvash Scientific Research Institute of Electrical Engineering (Chuvashskiy elektrotekhnicheskiy nauchno-issledovatel'skiy institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 62

TOPIC TAGS: contactless relay, overload, RC circuit, transistorized balanced amplifier

ABSTRACT: The proposed contactless overload relay utilizes semiconductors and contains an input relay unit, R-C circuits with an adjustable delay, and an output unit using electromagnetic slave mechanisms. To divide the controlled heteropolar lines galvanically and thus insure relay sensitivity to the overloads of both polarities, the relay contains two transistorized balanced amplifiers

Card 1/2

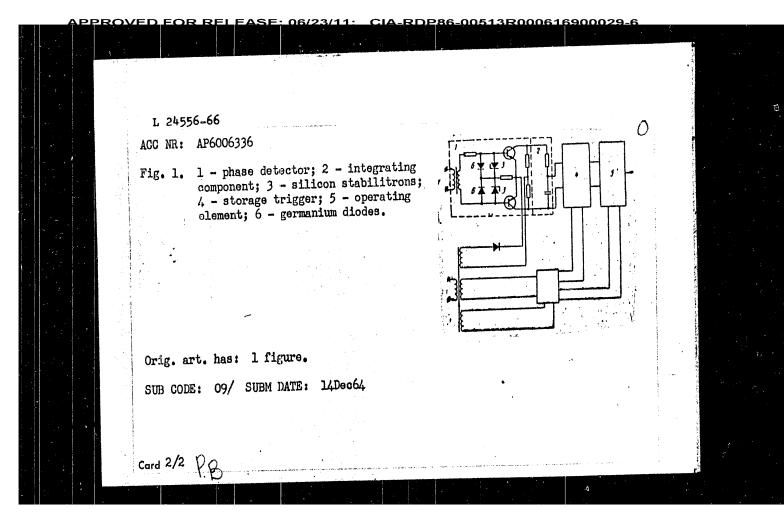
UDC: 621.316.925.43:621.315.592

ACC MR. ARCOLDAL
Orig. ort. mass 5 figures and 7 torontage. [alba]
SUB COME: 49 / SUBM DATE: MADPAR / CELF SER: 1 7 mm.

AUTION: Booksardy, Valid Harkespeerich Course and an Allandaria Lich (Clinical models removing the entering of the Course to the entering of t

sprend use as substitutes for intermediate relays or in output server relay protection and automation. The authors give a brief described the relay protection and automation, associated theory, and typical interpretations. They conclude that 1) in numerous cases of relay or because automation circuit design one should use the pulsed therefore the relation of either constant or variable anode voltage; 2) suring thyrister constitute inductance load one should take into account the resulting process of the accessary control pulse duration; and 1) the circuits processes in paper permit a relaxation of demands imposed vousily on control place.

Card 1/2



EWT(1)/EWA(h) L 24556-66

ACC NR: AP6006336

SOURCE CODE: UR/0413/66/000/002/0058/0058

AUTHORS: Bogoyavlenskiy, N. I.; Grinshteyn, V. I.; Ol'nov, V. M.

ORG: none

TITLE: Frequency difference relay. Class 21, No. 177987 Zannounced by Chuvash Electrical Engineering Scientific Research Institute (Chuvashskiy elektrotekhnicheskiy nauchno-issledovatel'skiy institut) 7

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 58

TOPIC TAGS: electronic circuit, sensitivity increase, electric relay

ABSTRACT: This Author Certificate presents a frequency difference relay. The relay contains a phase detector, silicon stabilitrons for protecting the input circuits, an integrating component, a storage trigger, and an operating element (see Fig. 1). The design increases the sensitivity of the relay to the magnitude of the residual voltage of the generator. The generator is synchronized with the line supply. Germanium diodes are connected to the parallel protected silicon a second result of stabilitrons.

UDC: 621.318.57

BECHRAREV, Vadim Markisovich, starshiy mauchnyy sotrudnik;
GRINSHTEYN, Vladimir Il'ich; SHEYTSOV, Viktor Mitrofacezzich

Operation of p-n-p-n devices in circuits with active inductive
load and impulse control, Izv. vys. ucheb, zav.; elektromekh,
8 no.10:1163-1167 165. (MIRA 18:11)

1. Chuvashskiy elektrotskhnicheskiy nauchno-insledovatellakiy
institut (for Bochkarev). 2. Nachallaik bynro slozhnysh rele
Ghuvashskoge elektrotskhnicheskoge nauchno-insledovatellakoge
instituta (for Grinshteyn). 3. Starshiy inzhener-insledovatell
Ghuvashskoge elektrotskhnicheskoge nauchno-insledovatellakoge
instituta (for Shevtsov). Salmitted November 4, 1964.

CRINSHTEYN, V.J., indie; i.TAMETS, Ya.Ya., inzh.; POLYAKOV, G.P., inzh.

Contambleus relay of active back current. Flektrotekhnika 36 no.3223-30 Mm 165.

ACCESSION NR: AP4025745

S/0144/64/000/002/0259/0269

AUTHOR: Grinshteyn, Vladimir II ich (Chief); Shevtsov, Viktor Mitrofanovich (Senior research engineer)

TITLE: Controlled pnpn switches

SOURCE: IVUZ. Elektromekhanika, no. 2, 1964, 259-269

TOPIC TAGS: pnpn switch, pnpn diode, pnpn controlled rectifier, thyristor, thyratron transistor, semiconductor device, silicon controlled rectifier

ABSTRACT: An elementary description and Soviet-type characteristics of pnpn diodes and pnpn controlled rectifiers are given. The Soviet-make silicon power diodes and rectifiers are manufactured for 10-150 amp, 50-1,000 v. A turn-on current within 2-15 ma was measured in controlled rectifiers of 10-20-amp rated current. Switching voltages at +25, +75, and -60C are reported. A few possible applications are listed. Orig. art. has: 10 figures, 1 formula, and 1 table.

ASSOCIATION: none

SUBMITTED: 16Oct63

SUB CODE: EC

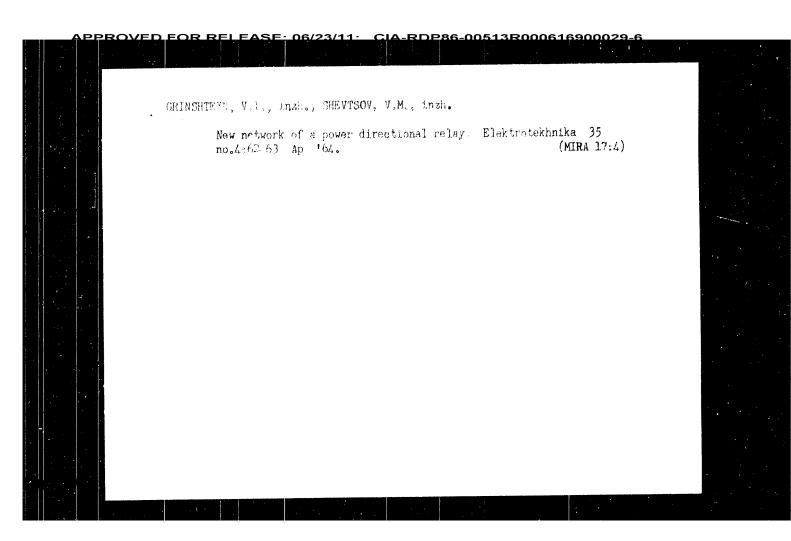
DATE ACQ: 16Apr64

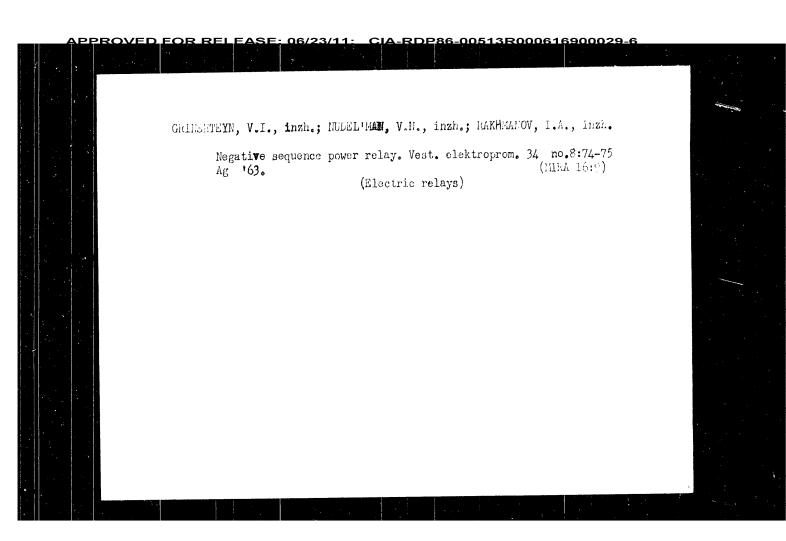
NO REF SOV: 001

ENCL: 00

OTHER: 008

Card 1/1





GRINSHTEYN, V.I., inzh.

Transistorized frequency reducing relay. Vest. elektroprom. 34
no.5:77-78 My 163.
(Electric relays) (Frequency changers)

GRINSHTEYN, V.I., inzh. (Cherboksary); RAKHMANOV, I.A., inzh. (Cherokrary) Transistorized current balance relay. Elektrichestvo no.10:78-79 0 '63. (MIR. 16:11)

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900029-6

21823

Power relay from semi-conductors

S/105/61/000/005/002/005 B116/B221

consists of two bridge rectifiers, an additional resistor at the a.c. terminals, and a load resistor (responding section). The additional resistor at the a.c. terminals serves for an exact adjustment of the working and the retardation branch of the circuit. The relay is tuned by selecting the potential at the amplifier input and by adjusting the comparison circuit. The necessary angles of highest sensitivity are received by appropriate switching of the input circuit of the voltage transformer. The relay is mounted on a socket (130 by 95 mm) and provided with a casing. The total height including the socket is 145 mm. The working tests showed the following results: As far as the adjustment is concerned, the power relay from semi-conductors is much simpler than an induction relay and does not show the drawbacks of the latter. Dimensions and weight are much smaller as compared with the induction relay. The electric parameters are higher than those of the induction relay. There are 1 figure and 1 table.

SUBMITTED:

April 25, 1960

Card 2/3

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21823

9.2140 (11,1150,1161)

3/105/61/000/005/002/00] B116/B221

AUTHOR:

Grinshteyn, V. I., Engineer (Cheboksary)

TITLE:

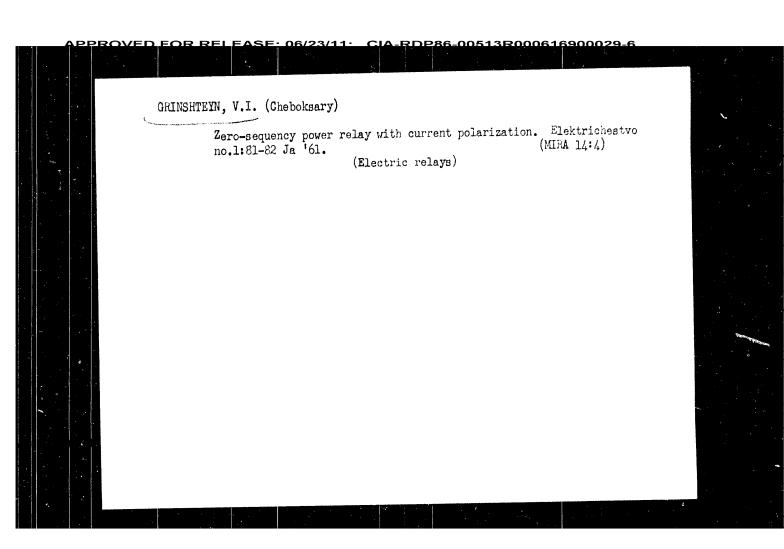
Power relay from semi-conductors

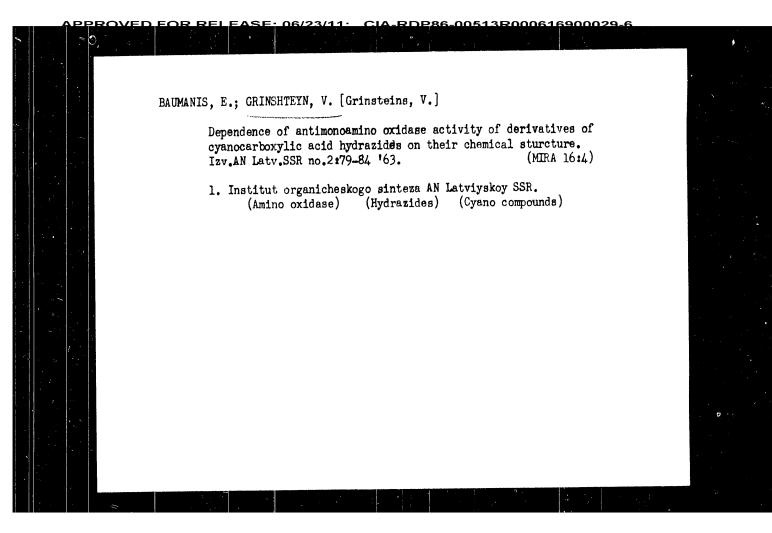
PERIODICAL:

Elektrichestvo, no. 5, 1961, 70

TEXT: The test relay from semi-conductors, shown in Fig. 1, was manufactured by the Cheboksarskiy zavod (Cheboksary Works) and is at present being tested in various power systems. The relay was developed by the Teploelektroproyekt. It consists of 2 main parts: the phase-comparison circuit and the final control organ. The latter is built as a two-stage amplifier from semi-conductor triodes and a relay at the output. The phase-comparison circuit is constructed according to the principle of "circulation" of rectified currents. The relay has two transformer inputs (for current and voltage). The secondary windings of the current and voltage transformer are connected in such a way that, at the angle of the highest sensitivity at the end of one pair of windings there occurs the algebraic difference of the electromotive force, and at the end of the other pair the sum of the emf appears. The comparison circuit

Card 1/3





MEDNE, K.; GRINSHTXYN, V. [Grinsteins, V.]; LAVRINOVICH, E. [Lavrinovics, E.];
BAUMANIS, S.

Study of [the effect of] some derivatives of cyanocarboxylic acids on tuberculostatic activity and its dependence on the chemical structure of the compounds. Vestis Latv ak no.4:131-138 162.

1. Institut organicheskogo sinteza AN Latviyskoy SSR.

GRINSHTEYN, V. [Grinsteins, V.]; MEDNE, K.; CHIPEN, C. [Cipens, G.]; VEVERIS, A.

Tuberculostatic activity of derivatives of aminoguanidine and diaminoguanidine and its correlation with chemical structure. Vestis Latv ak no. 10:89-100 '61.

1. Akademiya nauk Latviyskoy SSR, Institut organicheskogo sinteza.

(GUANIDINE) (TUBERCULOSIS)

MEDNE, K.; GRINSHTEYN, V. [Grinsteins, V.]; CHIFEN, G. [Cipens, G.]

Study of the tuberculostatic activity of 1,2,4-triazole derivatives.

Vestis Latv ak no.7:85-96 '61.

1. Akademiya nauk Latviyskoy SSR, Institut organicheskogo sinteza.

(TRIAZOLE) (TUBERCULOSIS)

GRINSHTEYN, V. [Grinsteins, V.] (Riga); YUENA, R. [Jukna, R.] (Riga);
BAUMANIS, E. (Riga)

Hydrazides of cyandicarboxylic acids and their derivatives. Vestis
Latv ak no.11:107-112 '60. (EEAI 10:9)

1. Akademiya nauk Latviyskoy SSR, Institut organicheskogo sinteca.

(Hydrazides) (Cyano carboxylic acids)

(Dicarboxylic acids)

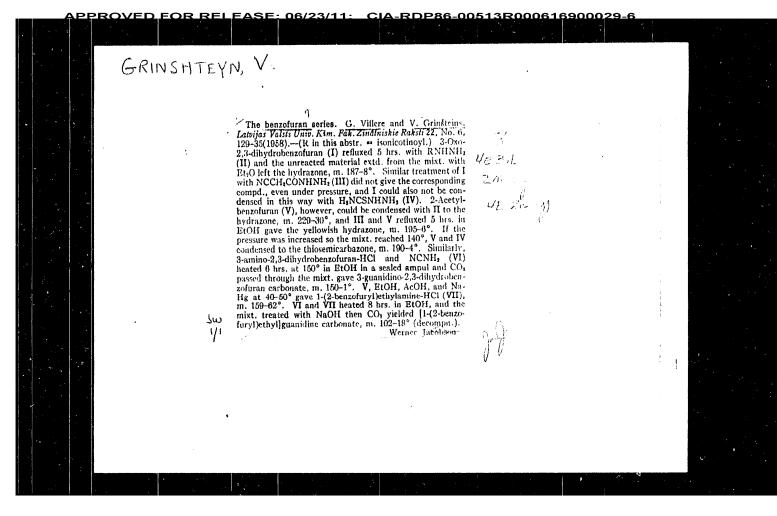
GRINSHTEYN, V. [Grinsteins, V.](Riga); SHERIN', L. [Serina, L.](Riga)

Synthesis of hydrazides of & 3 -dicyampropionic acids and their properties. Vestis latv ak no. 10:95-100 160.

(REAI 10:9:10)

1. Akademiya nauk Latviyskoy SSR, Institut organicheskogo sintesa.

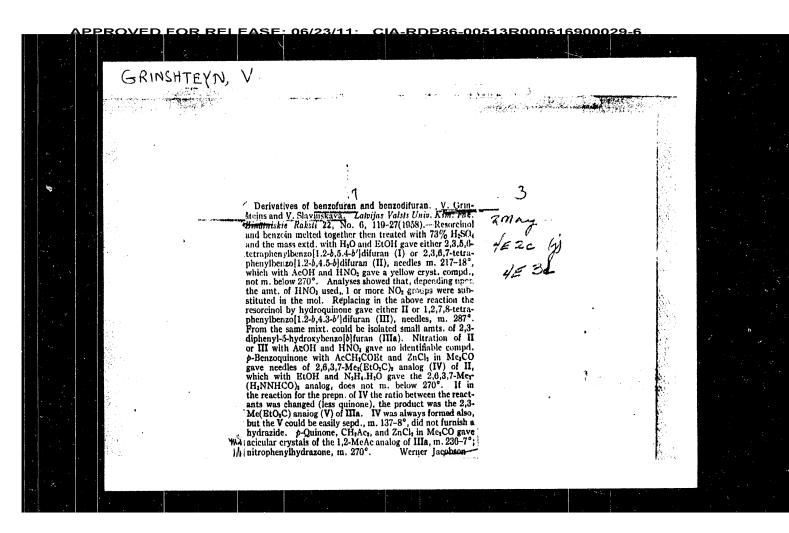
(Hydrazides) (Dicyanopropionic acid)



GRINSHTEÝNS,V. [Grinsteins,V.] (Riga); BAUMANIS, E. (Riga)

N.-alkyl and N.-acyl derivatives of cyanoacetic acid hydrazide. Vestis
Latv ak no.2:107-112 '60. (EEAI 10:1)

1. Akademiya nauk Latviyskoy SSR, Institut organicheskogo sinteza.
(Alkyl groups) (Acyl groups)
(Cyanoacetic acid) (Hydravides)



LATVIA/Organic Chemistry - Natural Compounds and Their G. Synthetic Analogs.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 54148

was C₂₅H₂₁O₈N (V), n. p. 234-235°C.; with p-iH₂C₆H₄.

.SO₂NH₂ (in C₅H₁₁OH), C₂₄H₂₂O₈N₂ was prepared (VI),

n. p. 224-226°C. The activity of III, IV, V and VI on

Mycobacterium tuberculosis was determined in dilutions

from 1:100,000 to 1:500,000.

LATVIA/Organic Chemistry - Natural Compounds and Their

Synthetic Analogs.

G.

Abs Jour

: Ref Zhur - Khimiya, No 16, 1958, 54148

with N₂H₄·H₂O, C₁₈H₁₈O₄N₄ was prepared, which product does not melt at 250°C; with C₂H₅NH₂, C₂₀H₂₁O₆N was prepared, m. p. 122-123°C. (from alcohol); with C₆H₅NH₂, there are formed C₂₄H₂₁O₆N, m. p. 221-223°C., and C₂₄H₂₁O₆N, m. p. 137-138°C. (both alcohol); with o-C₆H₄(NH₂)₂, C₂₄H₂₂O₆N₂ was prepared, m. p. 175-176°C.; with p-NH₂C₆H₄COOH (in C₅H₂₁OH), C₂₅H₂₁O₈N (OV) was prepared, which product does not melt at 250°C., also fromed

Card 3/4

LATVIA/Organic Chemistry - Natural Compounds and Their G. Synthetic Analogs. : Ref Zhur - Khimiya, No 16, 1958, 54148 Abs Jour hours with liquid ammonia, there is formed a mixture of products which probably are II and the diamide of I, $\tilde{c}_{18} \tilde{h}_{18} \tilde{o}_{5} \tilde{n}_{2}$ (III). The condensation of I with diphenyl hydrazine in alcohol (boiled for 2.5 hours) probably resulted in the formation of bis-diphenyl hydrazone of I, $C_{42}H_{36}O_5N_4$; this naterial does not melt at 250°C. It was not possible to prepare the corresponding amines by the reduction of the above compound (or the reduction of II, or the oxime of I). When alcoholic solutions of nitrogen-containing compounds are boiled with I, condensation products are obtained (given are: the starting material, the composition of of the reaction product, and its melting point in °C); Card 2/4

GRINSHTEYN, V. G. LATVIA/Organic Chemistry - Natural Compounds and Their Synthetic Analogs. : Ref Zhur - Khimiya, No 16, 1958, 54148 Abs Jour : Villere G., Grinshteins V., Kalninya E. Author Latv. University. Inst Investigation of Usnic Acid and Its Derivatives. Title : Uch. Zap. Latv. un-t, 1957, 14, 63-78. Orig Pub The isolation of (+)-Usnic acid (I) was made from the Usnea Ramalina and the Gladonia varieties of lichens; Abstract the concentration of I in Usnea hirta is as high as 3.8%. Usnamide (II), m. p. 251°C. (from acetic acid), was prepared by boiling I with ammonium hydroxide in a mixture of alcohol and benzene, or acetic acid plus sodium acetate. When I is heated at 80°C. for thirty minutes, or at 20°C. for thirty minutes to forty-eight Card 1/4 19

USSR/Microbiology. Antiviosis and Symbiosis

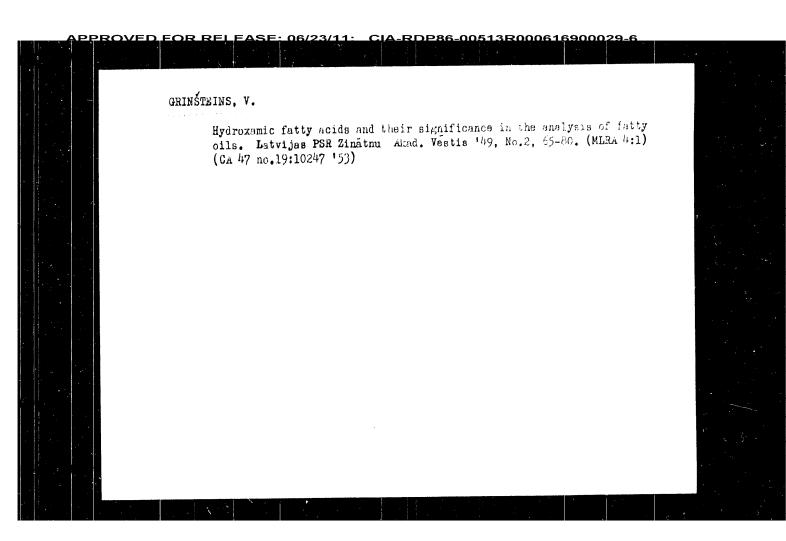
Abs Jour : Ref Zhur-Biol., No 13, 1958, 57550

Abstract : Las well as of the derivatives of Lawlich retained their beta-triketone grouping inhibit the process of phosphorilization in the cells of Saccaromycos corevisiae and arrect the growth of tubercular bacteria. The authors asume that the effect of substances of the type of teta-diketones and beta-triketone on tubercular mic-rebacteria is based on the inhibition of phospholirization in the cell.

Card 2/2

USSR/Microbiology. Antibiosis and Symbiosis Abs Jour : Ref Zhur-Biol., No 13, 1958, 57550 : Grinshteyns V., Validshteyne E. Author : Latvian University Inst : Investigation of the Mechanism of the Antibio-Title tic Action of Usnic Acid and its Structurally Related Derivatives : Zinatn. raksti. Latv. iniv., Uch. zap. Latv. u-nt. 1956, 9, 155-157 Orig Pub Abstract : Usnic acid (1) with a melting point of 197 to 198° , Zalpha 7_{D}^{19} = + 471°, obtained from Usnea hirta in concentrations of 1.6:10⁻³ to 1.6:10⁻⁵ inhibits the activity of the blood peroxidase, but does not affect the activity of catalase, urease, thyrosinase, and lipase. A solution of Card 1/2

1. GRINSTEYNS, V., LAZDINA, V. 2. USSR (600) 4. Isomerism 7. Investigation of isomeric forms of linoleic and linoleric acids in the natural state, obtained from hempseed oil. Latv.PSE Zin Akad. Vestis No. 8 1951. 9. Monthly List of Russian Accessions, Library of Congress, April 1993, Enel.

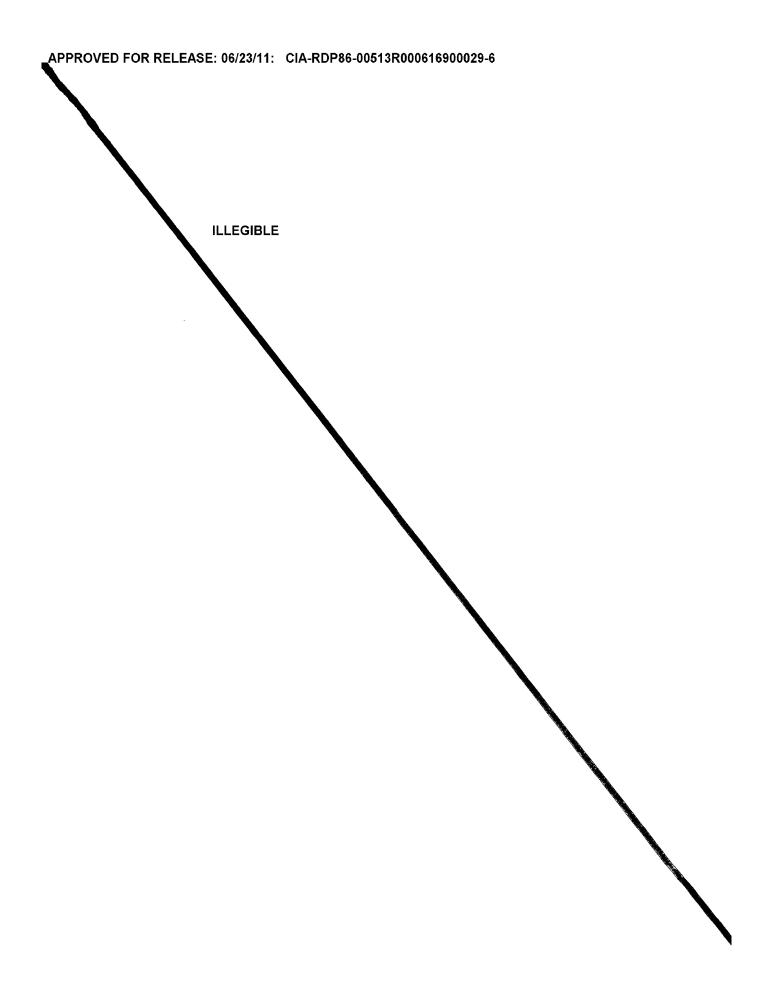


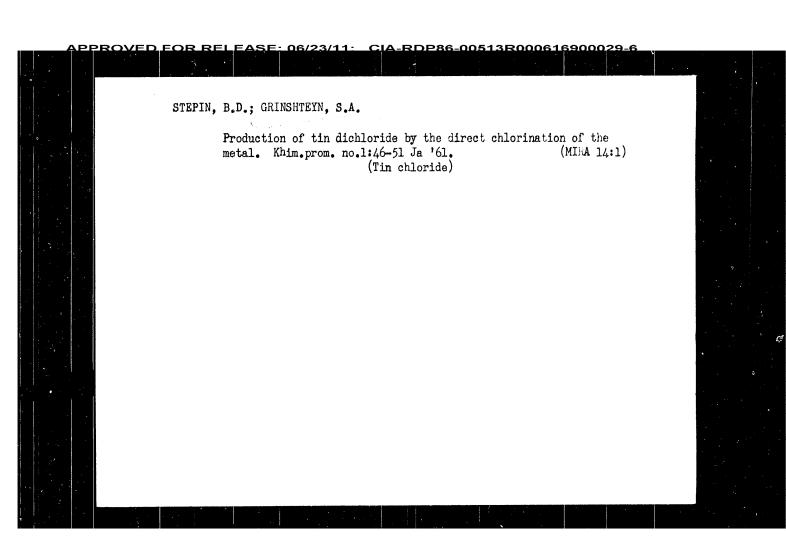
GRIESTTYNS, V.

Verbetim: - "The separation of highly unsaturated fatty soids from hemos ad oil,"

Investiys Akad. mank Latv. SSR, 1948, No. 12, p. 59-67. (In Latvian, resume in Russian), Bibliog: p. 66

SO: U-4355, 14 August 53, (Lateria "Zhurnal 'nykh Statey, Ec. 15, 1949.)





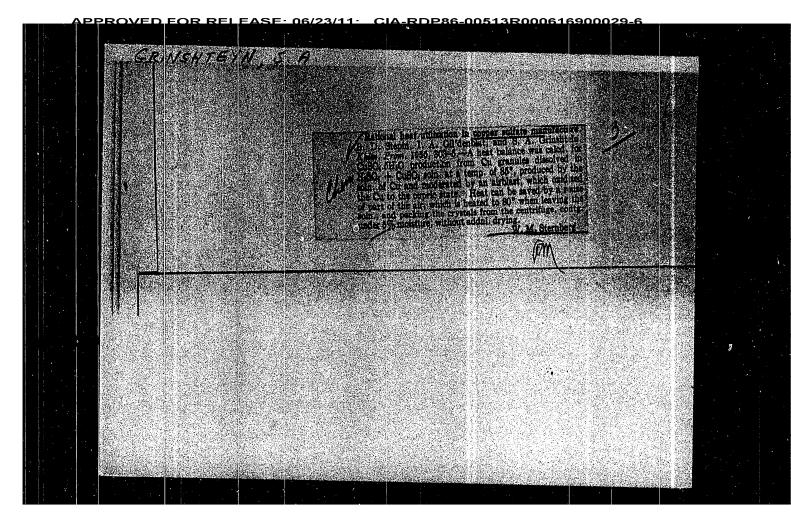
STEPIN, B.D.; GIL'DENBLAT, I.A.; GRINSHTEYE, S.A.

Accelerating the process of copper sulfate production.

Khim.prom. no.3:175-176 Ap-My '57. (MLRA 10:7)

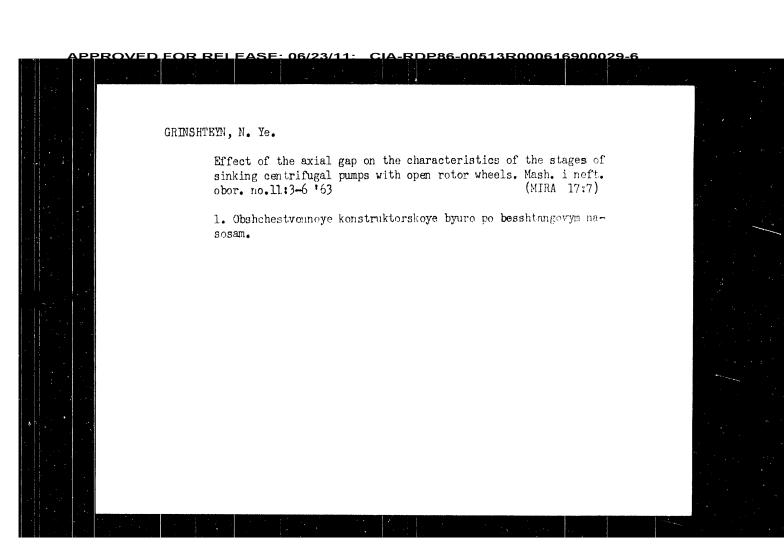
1. Gosudarstvennyy soyuznyy khimicheskiy zavod im. Voykova.

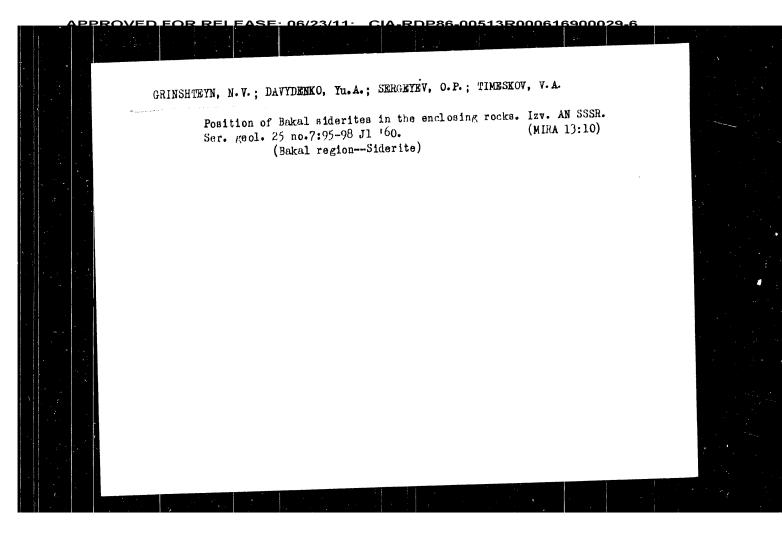
(Copper sulfate)



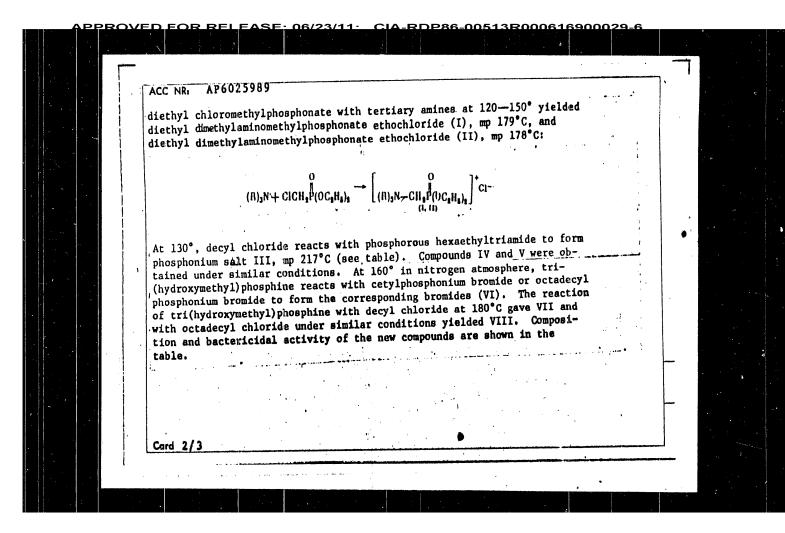
GRINSHTEYN, N.Ye. Stages of sinking centrifugal pumps with open rotor wheels.

Mash. i neft, obor. no.2017019 *64. (MIRA 17:8) 1. Obshchestvennoye konstruktorskoye byuro po besshtangovym nasosam.





TACC NR	AP6025989	and a spinish a real spinish s	1		
Table 1. Antibacterial activities of tertiary salts			iary salts	•	
No - •	Compound	Toward e. coli,	Toward. staph. nurcus	!	
Ail	(C ₂ H ₄) ₂ N = CH ₃ PO(OC ₄ H ₄) ₂ (CH ₃) ₂ N = CH ₃ PO(DC ₄ H ₄) ₄ (CCH ₃) ₂ N ₂ PC ₁ ₁ H ₄ ((CH ₃) ₂ N ₂ PH) Br ((C ₁ H ₃) ₂ N ₂ PH) Br (((OCH ₃) ₂ PH) ₂ PH (((OCH ₃) ₂ PH) ₂ H (((OCH ₃) ₂ PH) CH (((OCH ₃) ₂ PH) CH	Ci 0.5% 20 min. 0.6% 30 min. 1% not active 1% oot.active 1% 45 min.	0.5%, 15 min. 0.26%, 25 min. 1% not active 1% not active 1% not active 1% not active 1% 20 min. 1% 25 min.	•	
"R is a mixture of Clelles, Clylles, Clelles, Cl					
	ODE: 07,06/SUBM D			•	_
		•			
Card 3	/3				



ACC NR. AP6025989 SOURCE CODE: UR/0079/66/036/03./1244/1246

AUTHOR: Divinskaya, L. P.; Limanov, V. Ye.; Skvortsova, Ye. K.;
Putyatina, G. M.; Starkov, A. V.; Grinshteyn, N. I.; Mifant'yev, E.Ye.

ORG: Central Scientific Research Disinfectant Institute (Tsentral'nyy nauchno-issladovatel'skiy dezinfektsionnyy institut)

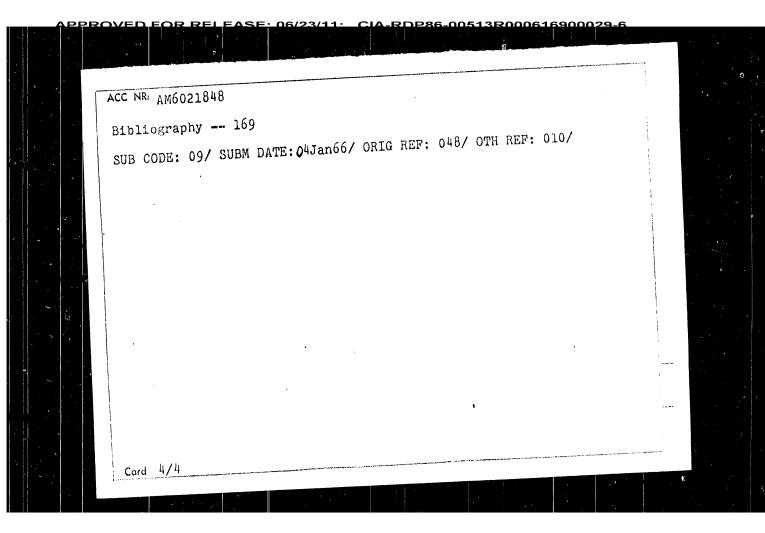
TITLE: Search for bactericidal preparations among organophosphorus compounds

SOURCE: Zhurnal obshchey khimit, v. 36, no. 7, 1966, 1244-1246

TOPIC TAGS: bactericide, argamuphosphorus compound, organophosphonoum chloride, alkylaminophosphonate chloride

ABSTRACT:

In a search for new bactericides, eight new organiphosphorus compounds were synthesized and their bactericidal properties studied. The reaction of



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APPROVED FOR RELEASE: 06/23/11 CIA-RDP86-00513R000616900029-6

ACC NR. AM6021848

Monograph

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Grinshteyn, M. M.; Kuchikyan, L. M.

Photoelectric concentration meters for automatic control and regulation (Fotoelektricheskiye kontsentratomery dlya avtomaticheskogo kontrolya i regulirovaniya) Moscow, Izd-vo "Mashinostroyeniye", 1966. 170 p. illus., biblio. Errata slip inserted. 4000 copies printed.

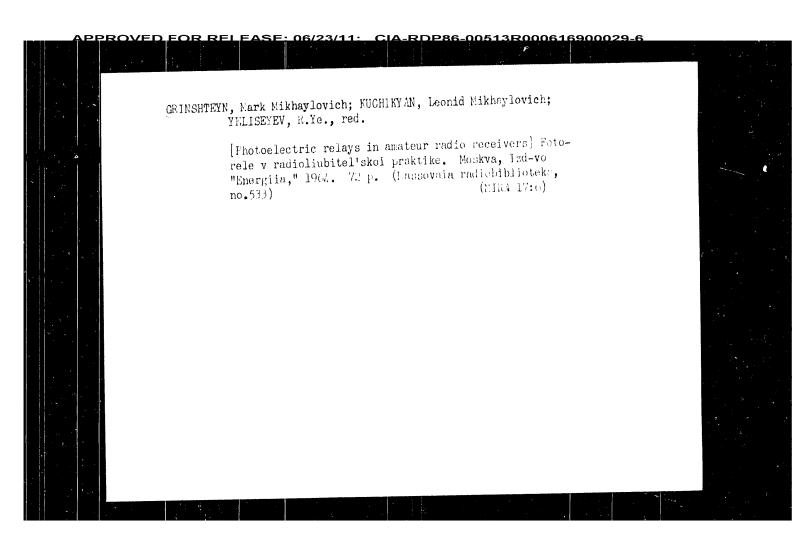
TOPIC TAGS: photoelectric cell, radiation detector, photoresistor, photometer, light modulation, refractometer, polarimeter, Nationalic Control. Device

PURPOSE AND COVERAGE: This book is intended for technical personnel concerned with the automation of industrial processes and may also be useful to students at higher schools of education specializing in the field of automation. The principles of designing circuits for photoelectric concentration meters are discussed, and a description is given of the elements of these circuits. In addition, the theory and methods of determining the concentrations of liquid and gases media by means of automatic photoelectric devices are covered. Soviet and foreign photoelectric concentration meters for automatic control and regulation are described in detail.

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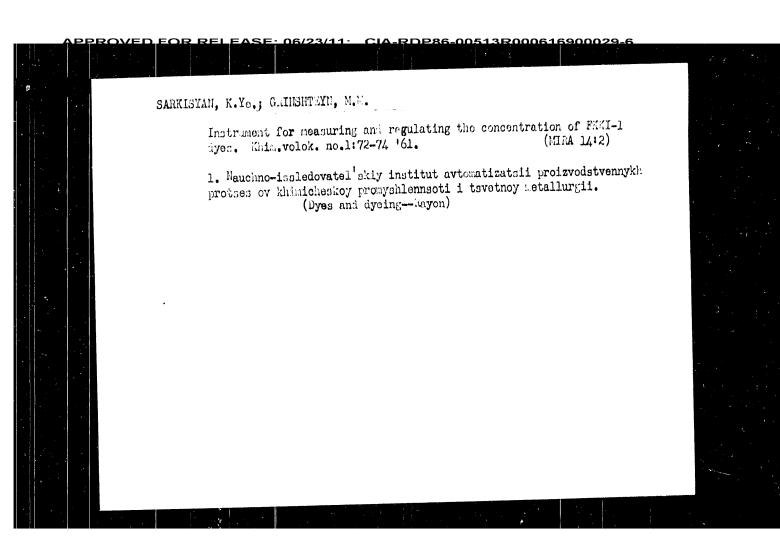
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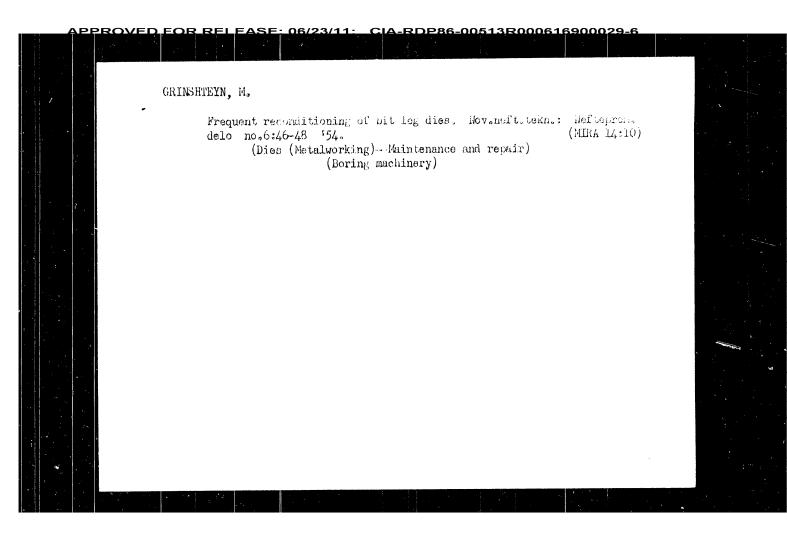


GRIMSHTENI, Mark Mikhaylovich; PROSKUNYANCV, V.I., red.; SELOKOVA,
M.M., tokhn. red.

[Photoresistances and their use in automatic industrial control
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Moskva, Gosenergoizdat, 1962. 78 p. (Biblioteka po avtomatik
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(Automatic control) (Photoelectric cells)





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[ZII-157 motortruck; operation and service] Automobil' ZII-157; instructedia po eksplusatusi. Gos.nauchno-tekhn.izd-vo mashino-stroit.lit-ry, 1958. 235 p.

[Mira 11:12]

1. Moskovskiy automobil'nyy zavod.

(Motortrucks)